

# Management System - Record sold tickets

## Name:

Record sold tickets

## Description:

This use case covers selling a number of tickets for a particular viewing, changing the number of tickets sold, and **remembering its owners in the system**.

## Actors:

Staff

## Triggers:

The use case is triggered by a customer who intends to buy a ticket for a particular viewing.

## Preconditions:

The screening (screen and time) for that movie must already exist in the movie arrangement.

## Postconditions:

After the use case is completed, the number of tickets sold will be updated and the information of tickets' owners will be remembered.

## Course of events:

### Basic course of events:

1. The user performs the "Display movie arrangement" use case.
2. The system displays all movie arrangements (time and screen).
3. The user selects a movie arrangement from the display, and performs the "Display sold tickets and screens' capacity" use case.
4. The system highlights the movie screening to indicate it is selected.
5. The user selects the record sold tickets function, enters the number of tickets to be sold and customer details.
6. The system updates the number of sold tickets for the requested movie arrangements and enters customer details, and the display is updated.

#### Exceptional course of events:

1. The user performs the "Display movie arrangement" use case.
2. The system displays all movie arrangements (time and screen).
3. The user enters one arrangement for a movie, and performs the "Display sold tickets and screens' capacity" use case.
4. The user selects the relevant movie screening from the display.
5. The system highlights the movie screening to indicate it is selected.
6. The user selects the record sold tickets function.
7. The system warns the user that the tickets for that movie screen have been sold out or the number of available tickets is less than that of requested tickets, and returns to step 5.

#### Extension Points:

None

#### Inclusion:

**Display movie arrangements**

**Display sold tickets and screens' capacity**

